

[54] **PACKAGE STRUCTURE FOR MOVABLE MAGNETIC DOMAIN DEVICES**

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[51] **Int. Cl.**..... **G11c 11/14**

[58] **Field of Search**..... **340/174 PM, 174 TF, 340/174 MA, 174 CC; 336/90, 110, 133**

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[57] **ABSTRACT**

There is disclosed a package or housing structure for signal translating or memory devices employing cylindrical magnetic domains (commonly called bubbles) in uniaxially anisotropic magnetic mediums such as single crystal platelets for the processing digital information. The package is such as to combine the functions of electrical termination of drive and sense circuitry for such magnetic bubble devices with a packaging structure which simultaneously provides the permanent magnetic bias needed for the operation of these devices. The package structure is fabricated from a material that combines the properties of electrical insulation and magnetic remanence and is shaped to provide not only a protective housing but also a magnet configuration which generates the required bias field. The material preferably forms both a high coercivity permanent magnet and an electrical insulator and may, for example, be one of the barium ferrite ceramics.

5 Claims, 7 Drawing Figures

